

Data Path : Z:\VOASRV\HPCHEM1\MSVOA F\DATA\VF061818\
 Data File : VF059174.D
 Acq On : 18 Jun 2018 14:33
 Operator : VA/AP
 Sample : J3551-04
 Misc : 6.70g/5mL/MSVOA-F/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Manual Integrations
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Quant Time: Jun 19 15:43:13 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 07 10:52:00 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.03	168	220588	50.00	ug/l	-0.01
34) 1,4-Difluorobenzene	5.76	114	323605	50.00	ug/l	0.00
63) Chlorobenzene-d5	9.91	117	183041	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.63	152	25269	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.01	65	143752	53.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.46%	
35) Dibromofluoromethane	4.28	113	131388	57.86	ug/l	-0.01
Spiked Amount 50.000			Recovery	=	115.72%	
50) Toluene-d8	7.71	98	244144	36.60	ug/l	0.00
Spiked Amount 50.000			Recovery	=	73.20%	
62) 4-Bromofluorobenzene	11.51	95	54179	15.84	ug/l	0.00
Spiked Amount 50.000			Recovery	=	31.68%	
Target Compounds						
					Qvalue	
20) Methylene Chloride	2.27	84	21511m	14.065	ug/l	
39) Methylcyclohexane	5.63	83	13400	4.191	ug/l	91
40) Benzene	4.81	78	306971	42.163	ug/l	97
52) Toluene	7.77	92	20350	3.881	ug/l	99
67) Ethyl Benzene	10.03	91	63685	10.112	ug/l	98
68) m/p-Xylenes	10.26	106	28737	12.187	ug/l	84
69) o-Xylene	10.82	106	22112	8.677	ug/l	97
70) Styrene	10.90	104	64257	16.665	ug/l	99
73) Isopropylbenzene	11.22	105	49770	28.448	ug/l	99
78) n-propylbenzene	11.69	91	27943	13.494	ug/l	99
83) tert-Butylbenzene	12.21	119	336028	233.717	ug/l	86
84) 1,2,4-Trimethylbenzene	12.29	105	5116	3.410	ug/l	96
85) sec-Butylbenzene	12.39	105	16730	8.563	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

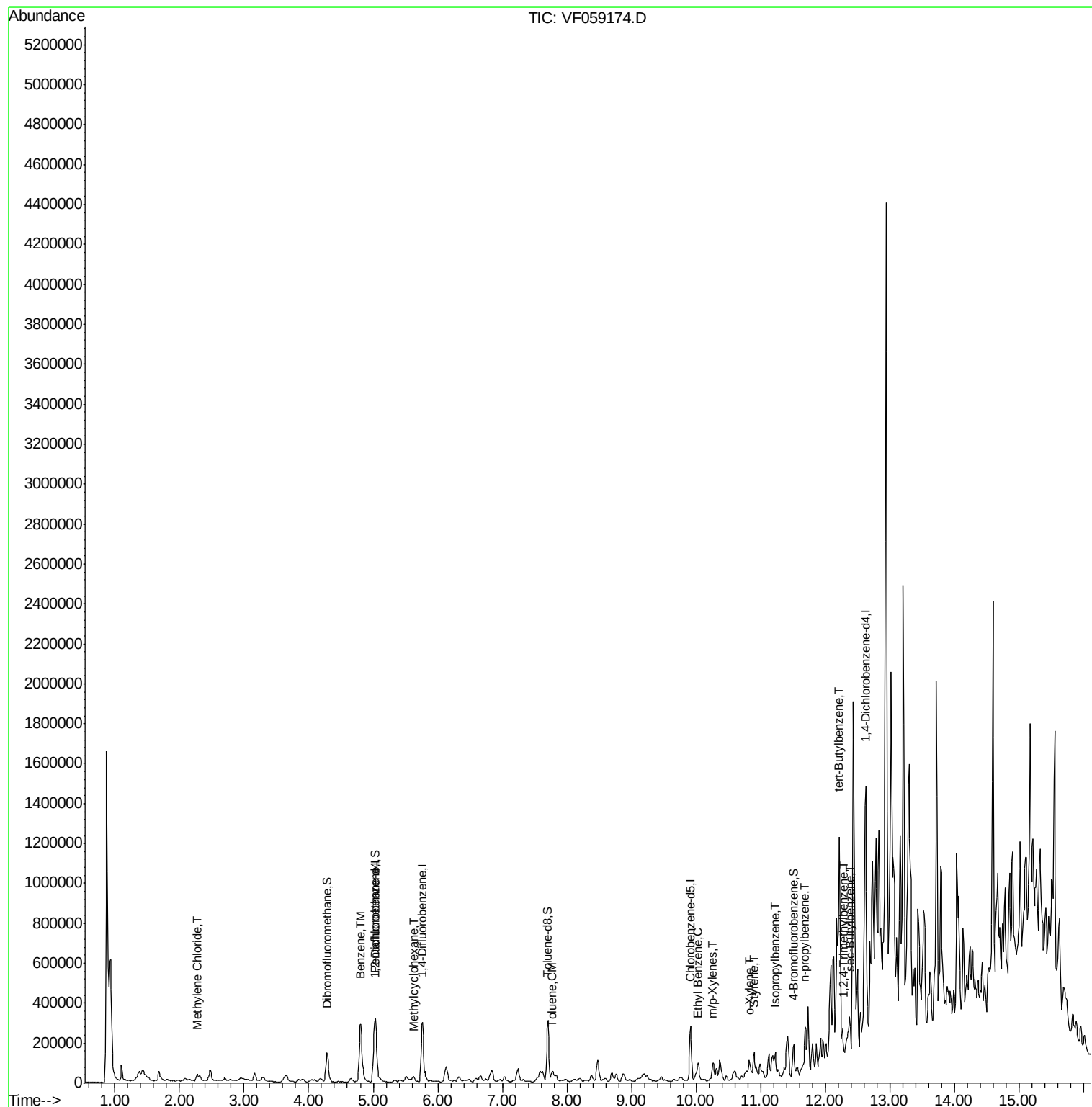
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA F\DATA\VF061818\
Data File : VF059174.D
Acq On : 18 Jun 2018 14:33
Operator : VA/AP
Sample : J3551-04
Misc : 6.70g/5mL/MSVOA-F/SOIL
ALS Vial : 8 Sample Multiplier: 1

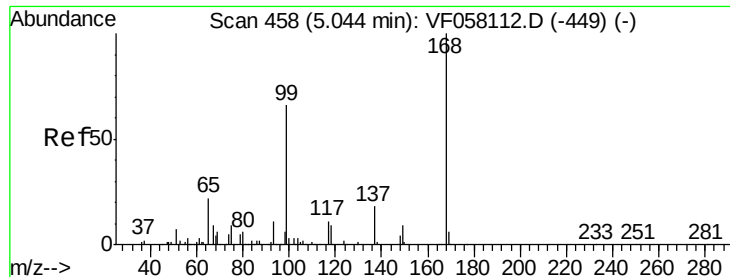
Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

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Quant Time: Jun 19 15:43:13 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_F\METHODS\82F060618S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 07 10:52:00 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.03 min Scan# 457

Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tot Ion:168 Resp: 220588

Ion Ratio Lower Upper

168 100

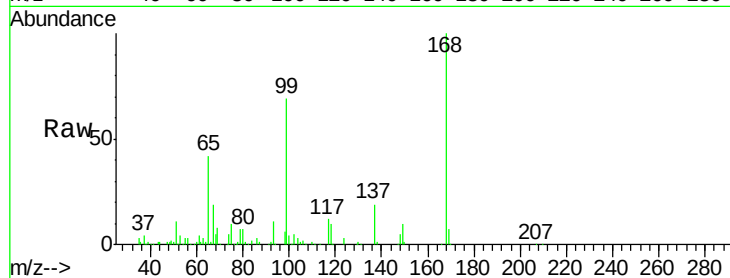
99 69.0 52.9 79.3

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Abundance Ion 168.00 (167.70 to 168.70): V

Ion 99.00 (98.70 to 99.70): VF0

80000

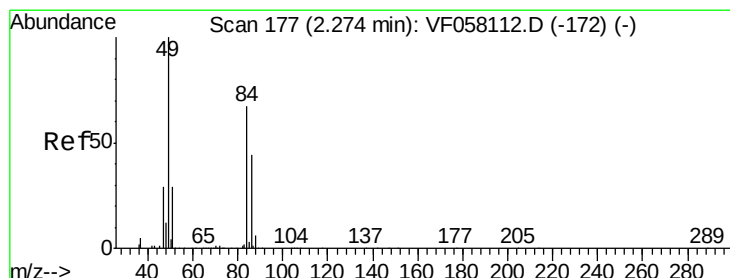
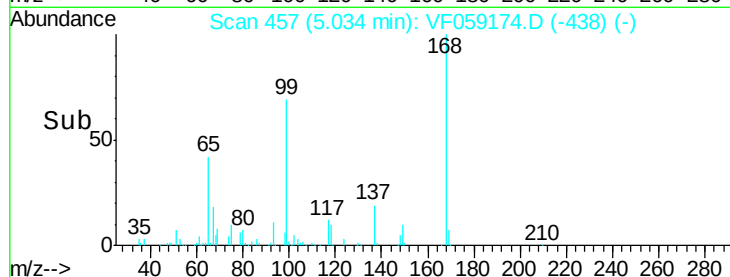
60000

40000

20000

0

Time-->



#20

Methylene Chloride

Concen: 14.065 ug/l m

RT: 2.27 min Scan# 177

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Tgt Ion: 84 Resp: 21511

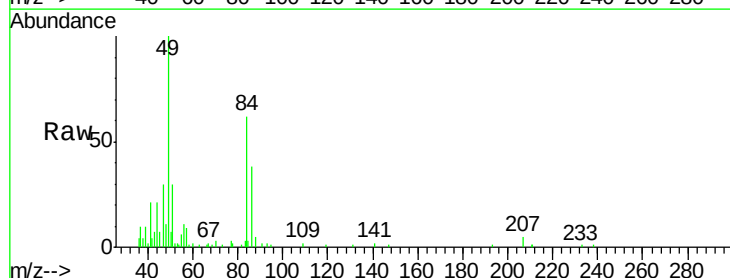
Ion Ratio Lower Upper

84 100

49 161.1 121.0 181.4

51 48.4 35.8 53.6

86 61.2 53.2 79.8



Abundance Ion 84.00 (83.70 to 84.70): VF0

Ion 49.00 (48.70 to 49.70): VF0

Ion 51.00 (50.70 to 51.70): VF0

Ion 86.00 (85.70 to 86.70): VF0

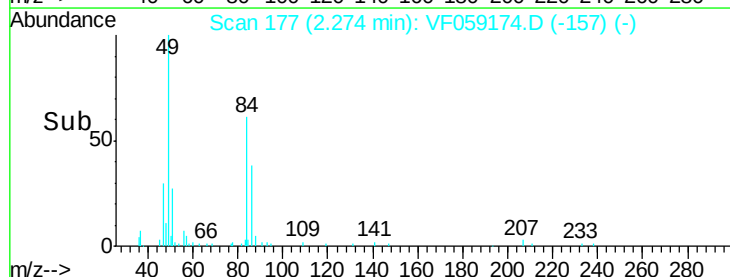
15000

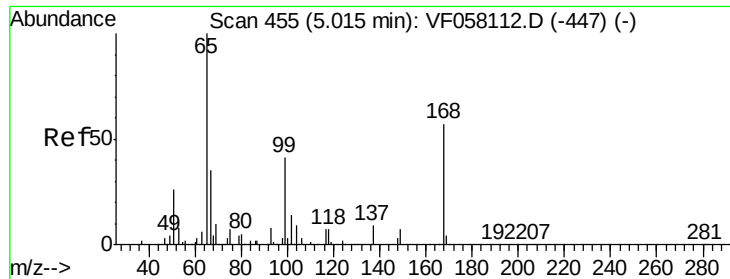
10000

5000

0

Time-->





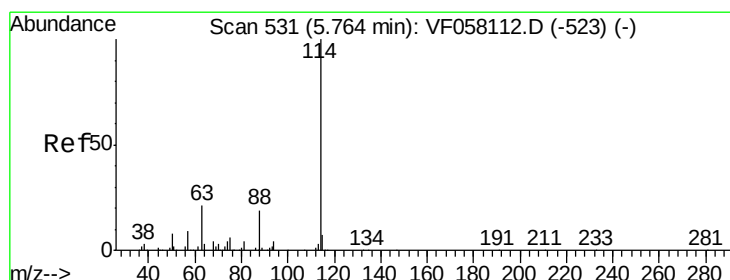
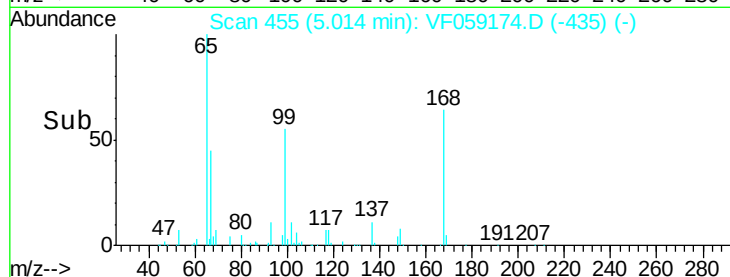
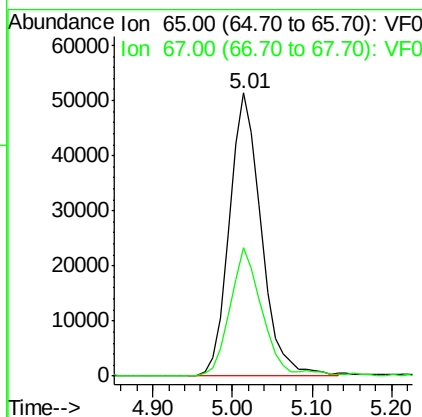
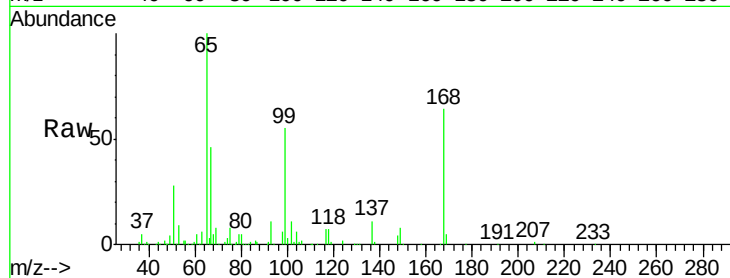
#33
 1,2-Dichloroethane-d4
 Concen: 53.733 ug/l
 RT: 5.01 min Scan# 455
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Tot Ion	Ratio	Resp	Lower	Upper
65	100	143752		
67	45.5	0.0	97.0	

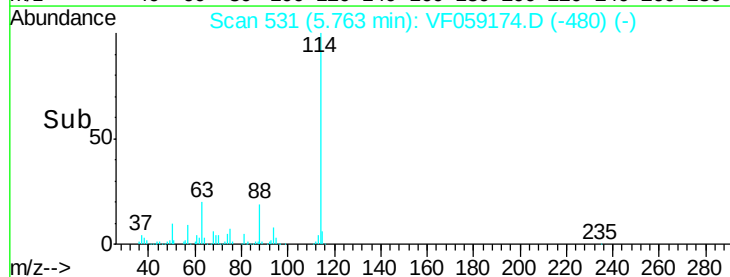
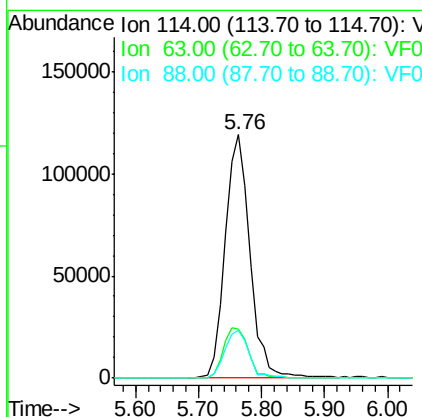
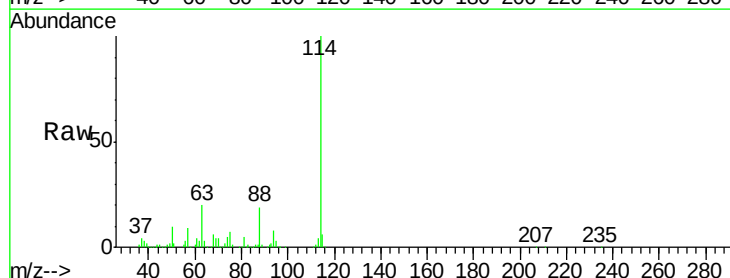
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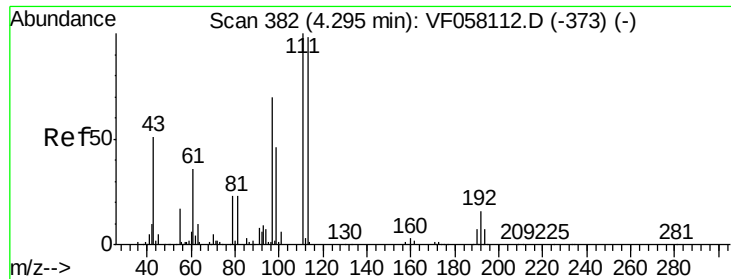
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 5.76 min Scan# 531
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	323605		
63	20.3	0.0	41.6	
88	19.4	0.0	38.8	





#35

Dibromofluoromethane

Concen: 57.864 ug/l

RT: 4.28 min Scan# 381

Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

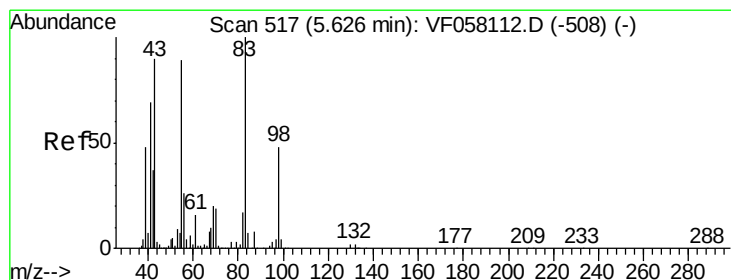
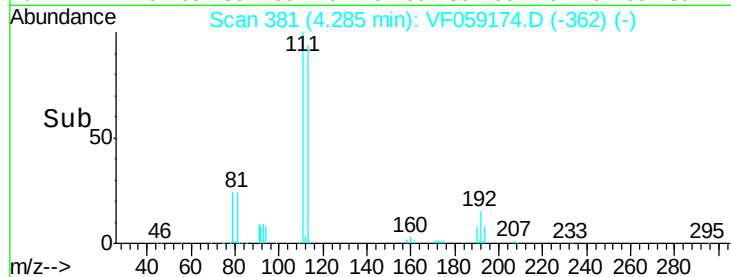
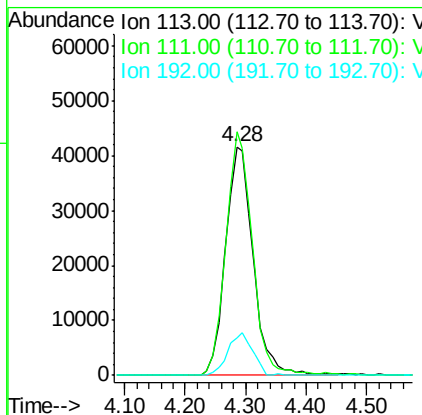
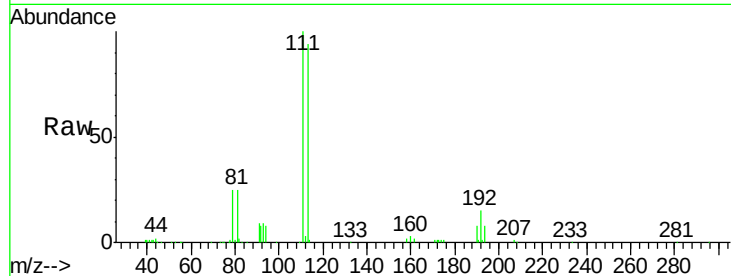
ClientSampleId :

OILY-SOIL

Tot Ion:	113	Resp:	131388
Ion Ratio	Lower	Upper	
113	100		
111	105.7	81.3	121.9
192	16.4	12.7	19.1

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#39

Methylcyclohexane

Concen: 4.191 ug/l

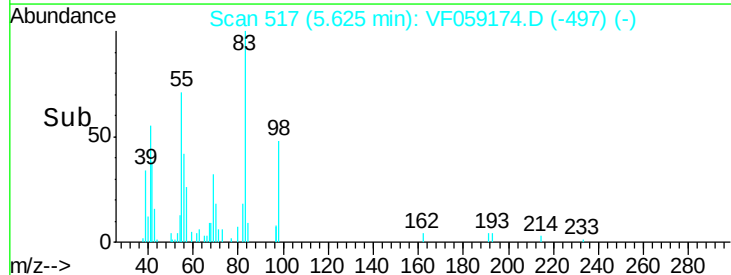
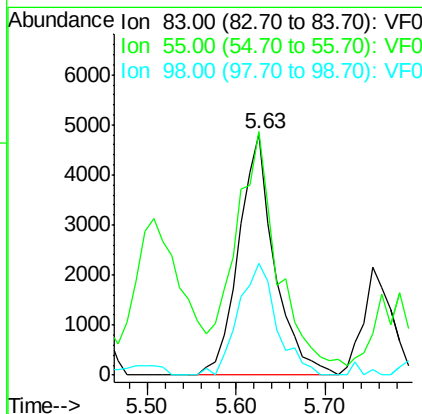
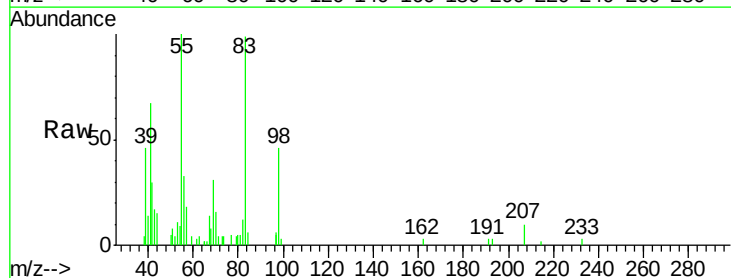
RT: 5.63 min Scan# 517

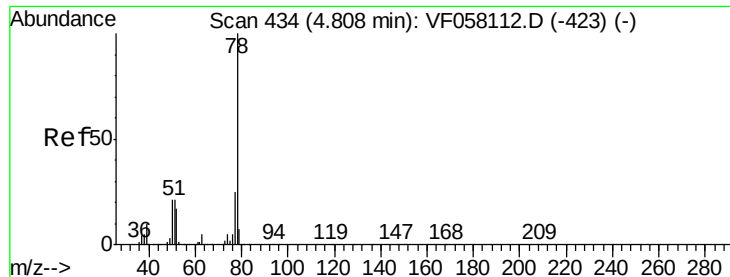
Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Tgt Ion:	83	Resp:	13400
Ion Ratio	Lower	Upper	
83	100		
55	100.8	71.0	106.4
98	46.1	38.1	57.1





#40

Benzene

Concen: 42.163 ug/l

RT: 4.81 min Scan# 434

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tot Ion: 78 Resp: 306971

Ion Ratio Lower Upper

78 100

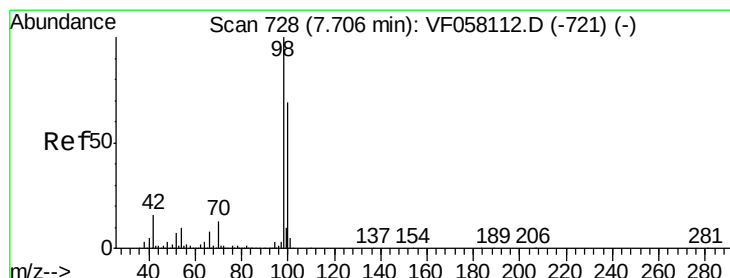
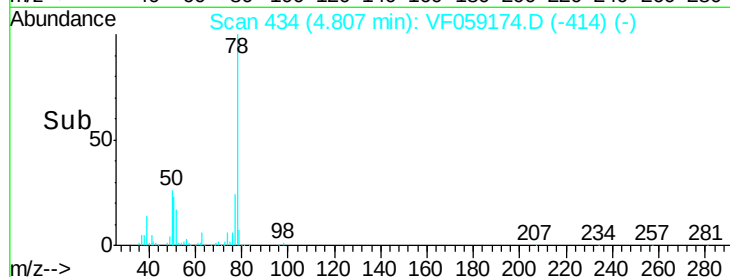
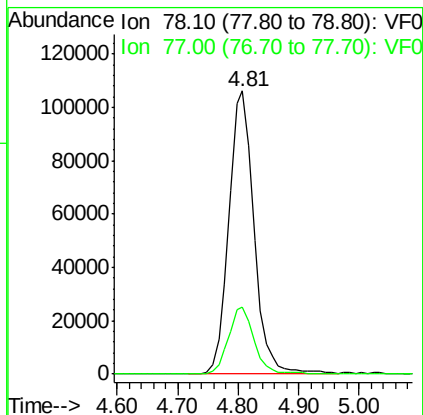
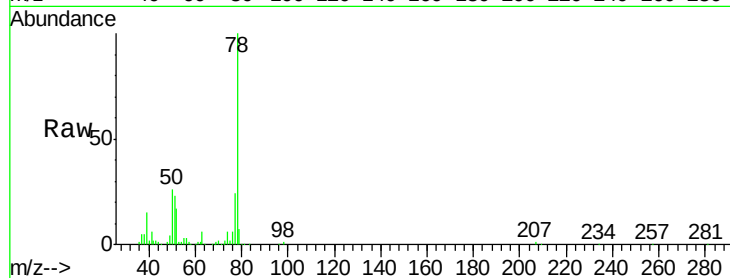
77 23.7 20.2 30.2

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#50

Toluene-d8

Concen: 36.599 ug/l

RT: 7.71 min Scan# 728

Delta R.T. -0.00 min

Lab File: VF059174.D

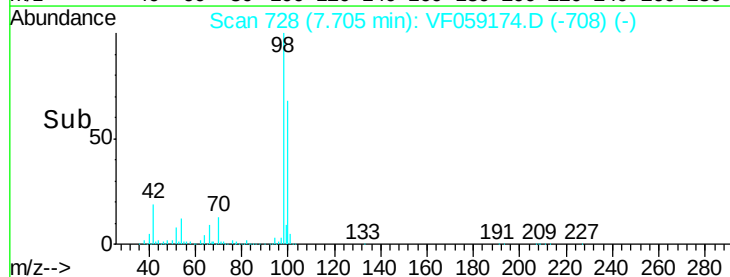
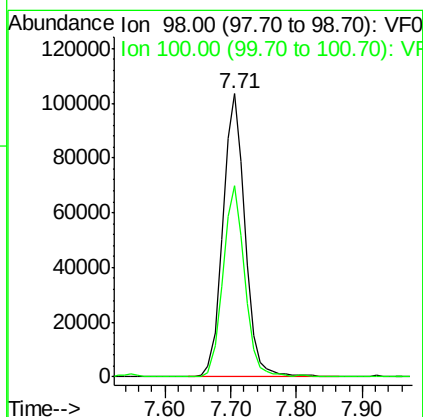
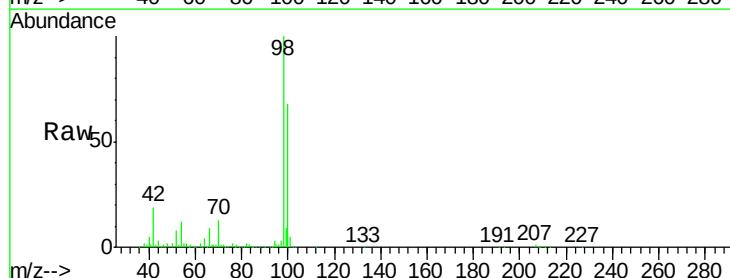
Acq: 18 Jun 2018 14:33

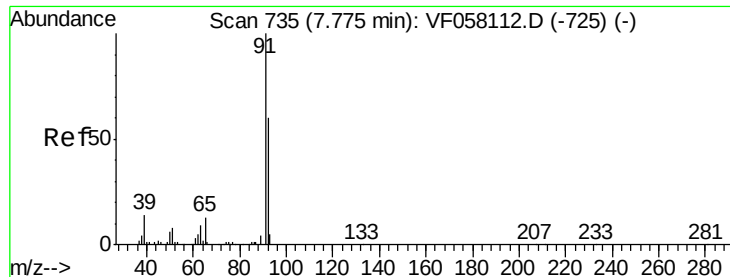
Tgt Ion: 98 Resp: 244144

Ion Ratio Lower Upper

98 100

100 67.7 55.6 83.4





#52

Toluene

Concen: 3.881 ug/l

RT: 7.77 min Scan# 735

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampleId :

OILY-SOIL

Tot Ion: 92 Resp: 20350

Ion Ratio Lower Upper

92 100

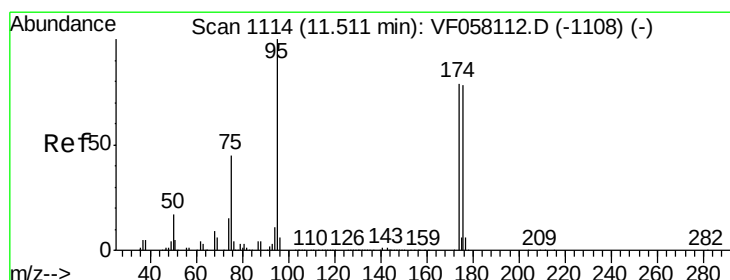
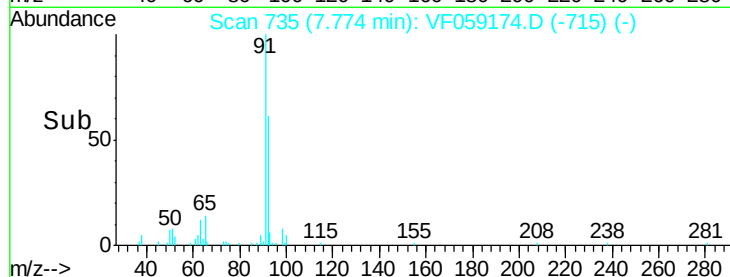
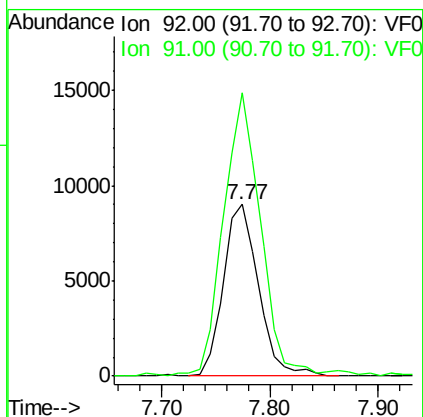
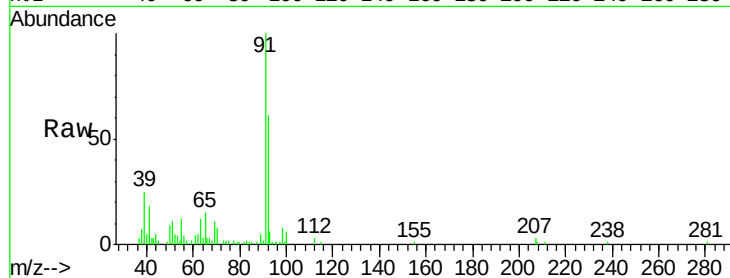
91 164.7 132.9 199.3

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#62

4-Bromofluorobenzene

Concen: 15.835 ug/l

RT: 11.51 min Scan# 1114

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

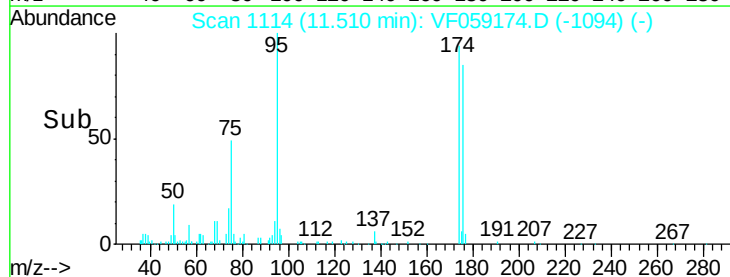
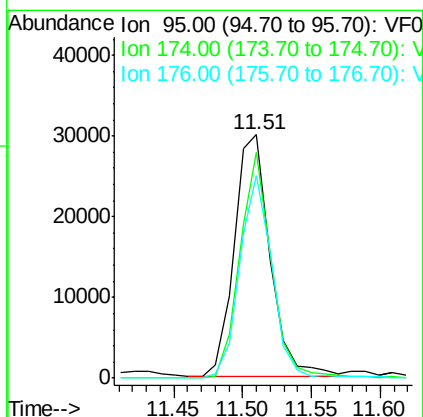
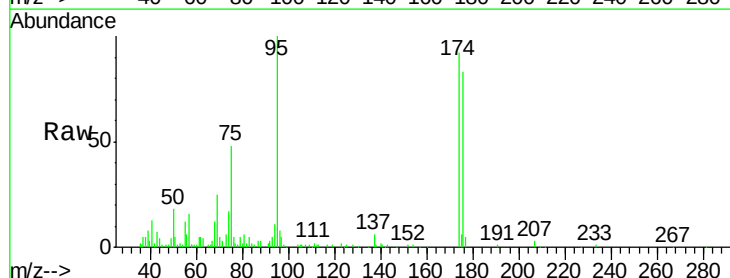
Tgt Ion: 95 Resp: 54179

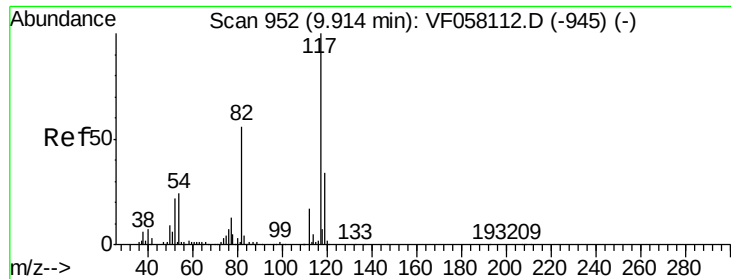
Ion Ratio Lower Upper

95 100

174 92.5 0.0 157.8

176 83.3 0.0 155.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.91 min Scan# 952

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

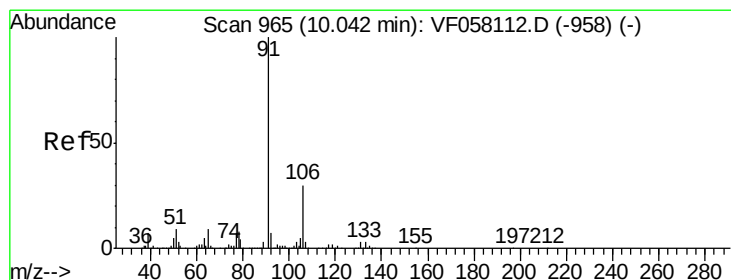
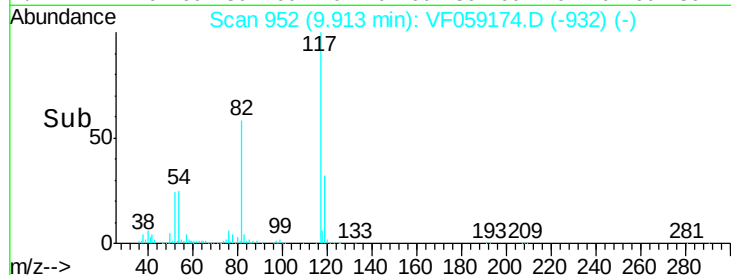
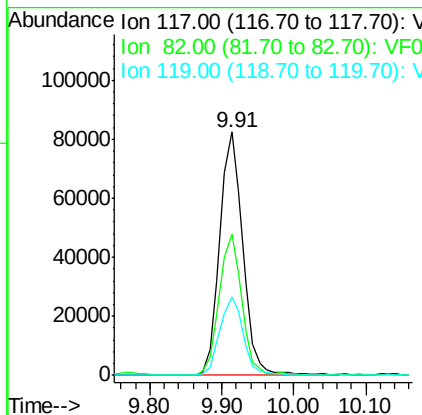
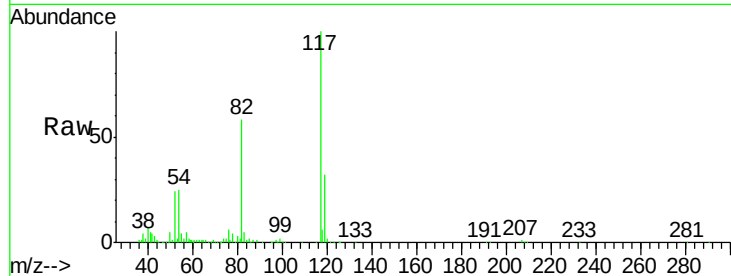
ClientSampled :

OILY-SOIL

Tot Ion:	117	Resp:	183041
Ion Ratio	Lower	Upper	
117	100		
82	57.9	45.2	67.8
119	32.1	27.5	41.3

Manual Integrations
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#67

Ethyl Benzene

Concen: 10.112 ug/l

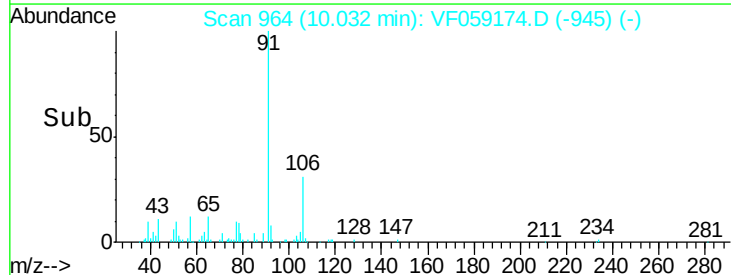
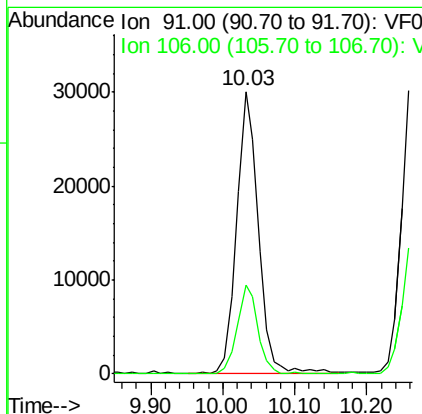
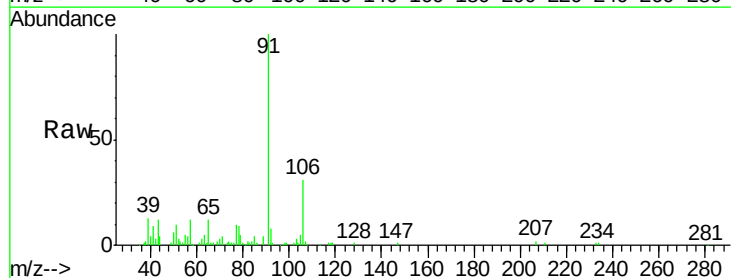
RT: 10.03 min Scan# 964

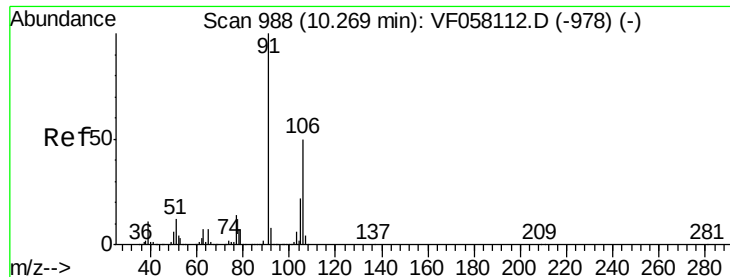
Delta R.T. -0.01 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Tgt Ion:	91	Resp:	63685
Ion Ratio	Lower	Upper	
91	100		
106	31.3	24.2	36.4





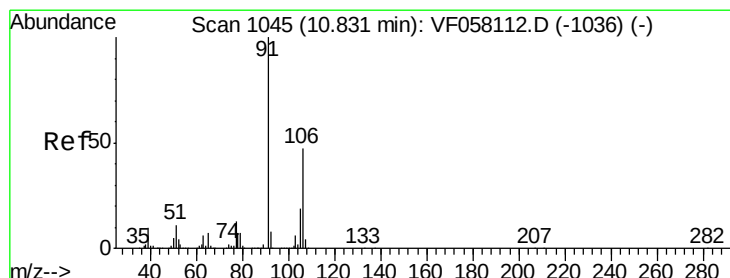
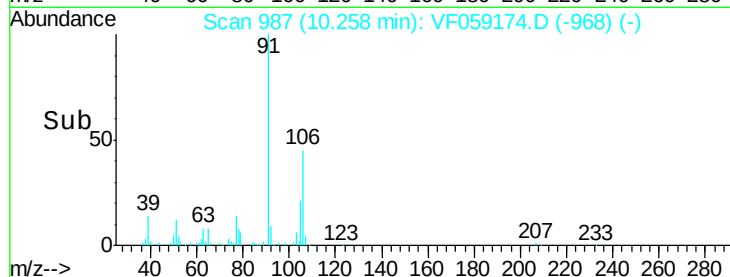
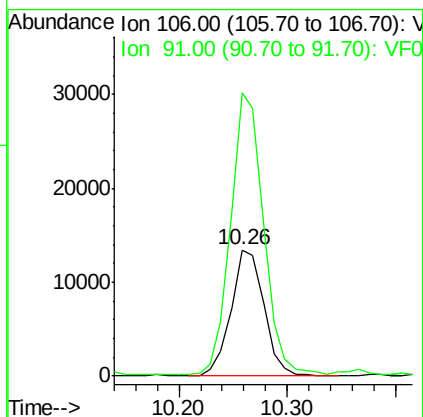
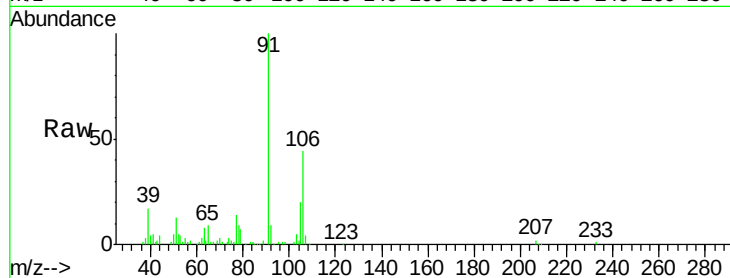
#68
m/p-Xylenes
Concen: 12.187 ug/l
RT: 10.26 min Scan# 987
Delta R.T. -0.01 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Instrument :
MSVOA_F
ClientSampleId :
OILY-SOIL

Tot Ion:106 Resp: 28737
Ion Ratio Lower Upper
106 100
91 224.8 160.7 241.1

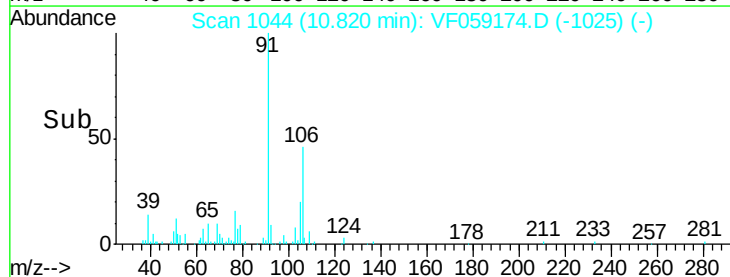
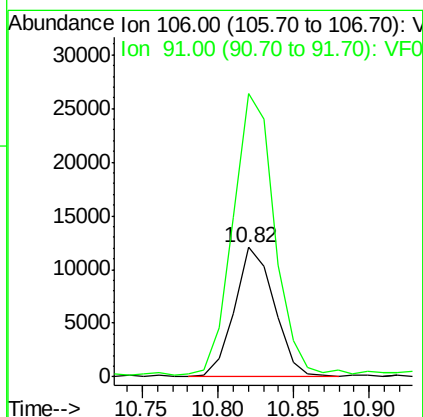
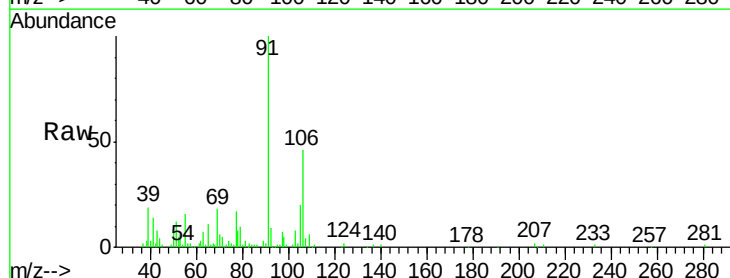
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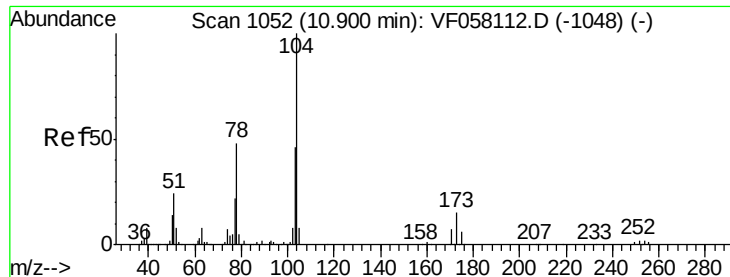
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#69
o-Xylene
Concen: 8.677 ug/l
RT: 10.82 min Scan# 1044
Delta R.T. -0.01 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion:106 Resp: 22112
Ion Ratio Lower Upper
106 100
91 218.7 107.0 321.0





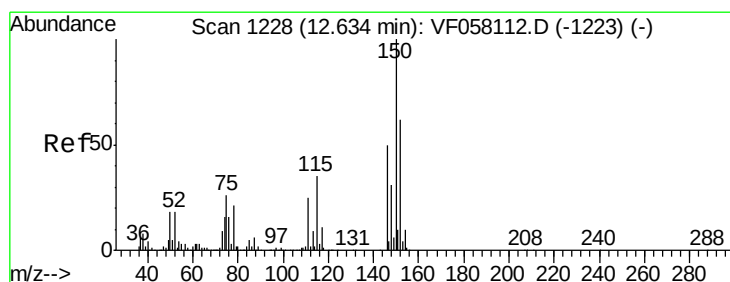
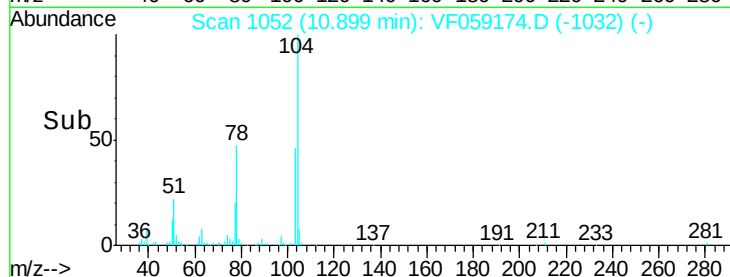
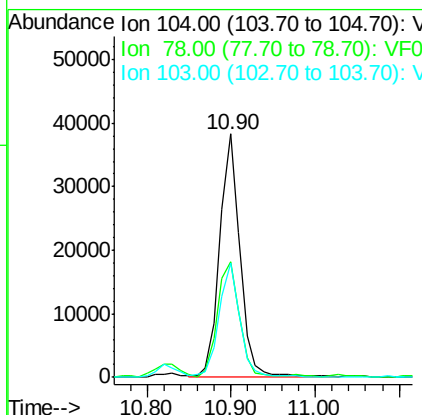
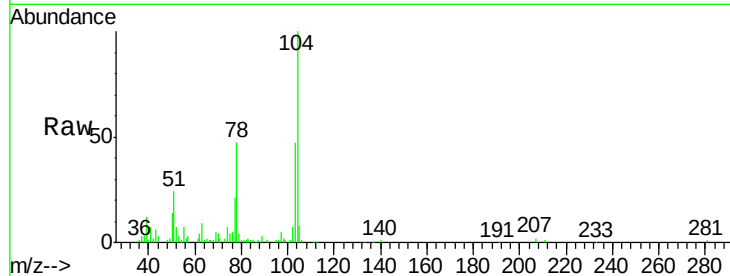
#70
Stvrene
Concen: 16.665 ug/l
RT: 10.90 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Instrument :
MSVOA_F
ClientSampled :
OILY-SOIL

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.5	38.4	57.6
103	47.2	37.0	55.6

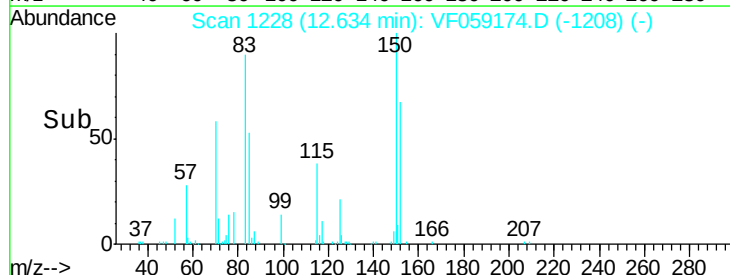
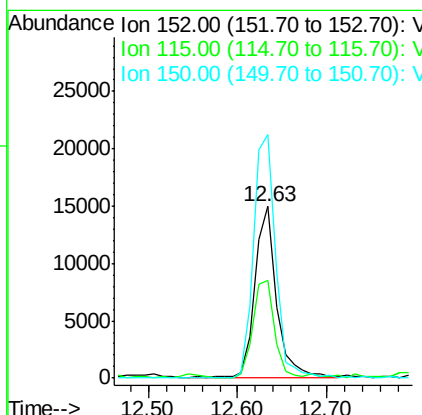
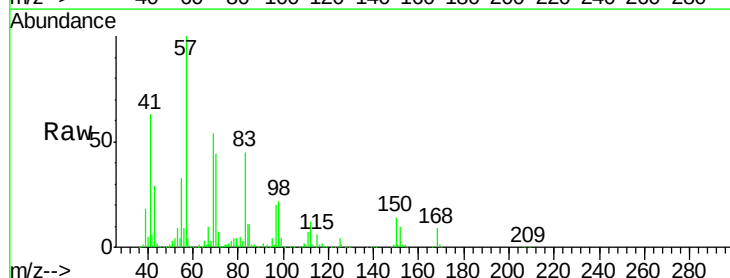
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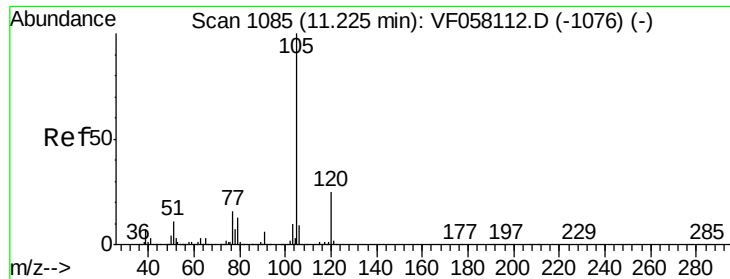
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.63 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VF059174.D
Acq: 18 Jun 2018 14:33

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.7	28.5	85.5
150	142.0	0.0	323.8





#73

Isopropylbenzene

Concen: 28.448 ug/l

RT: 11.22 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VF059174.D

Acq: 18 Jun 2018 14:33

Instrument :

MSVOA_F

ClientSampled :

OILY-SOIL

Tot Ion:105 Resp: 49770

Ion Ratio Lower Upper

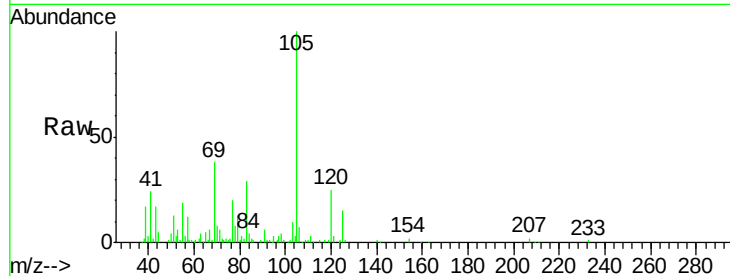
105 100

120 24.8 12.7 38.1

Manual Integrations
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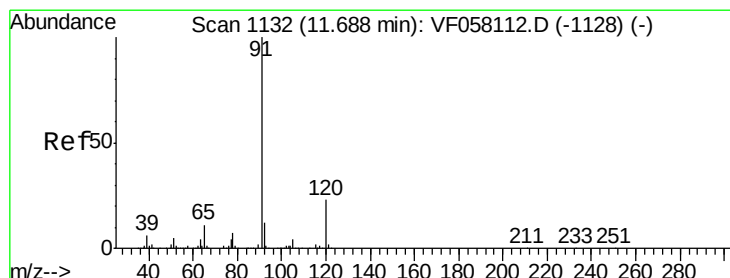
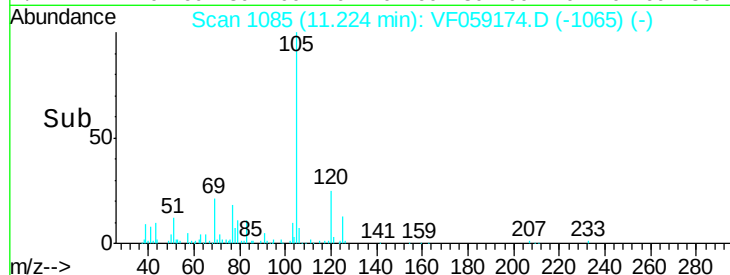
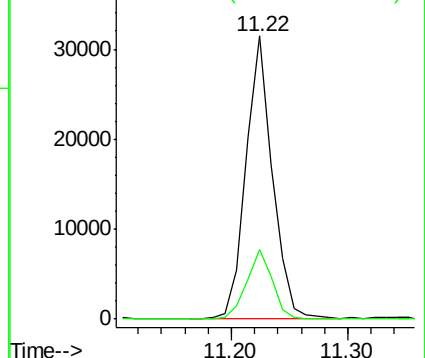
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 13.494 ug/l

RT: 11.69 min Scan# 1132

Delta R.T. -0.00 min

Lab File: VF059174.D

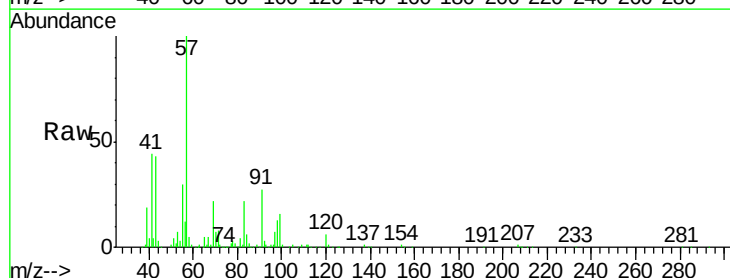
Acq: 18 Jun 2018 14:33

Tgt Ion: 91 Resp: 27943

Ion Ratio Lower Upper

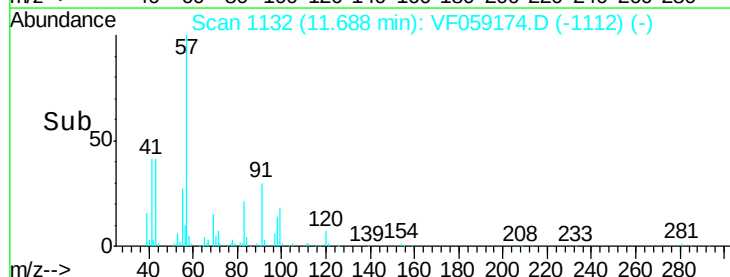
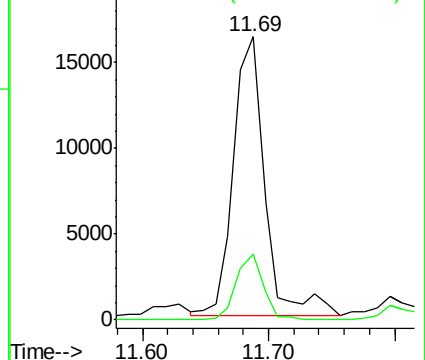
91 100

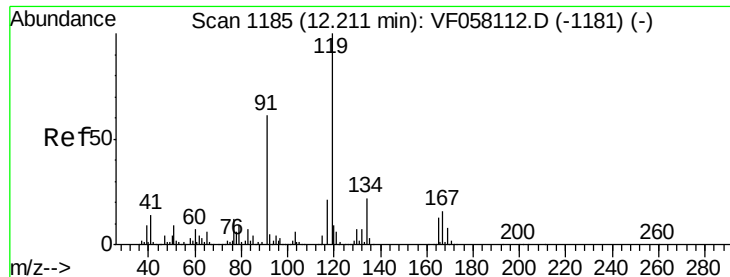
120 23.3 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VF0

Ion 120.00 (119.70 to 120.70): V





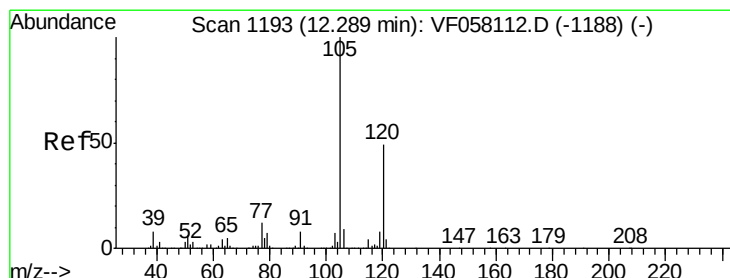
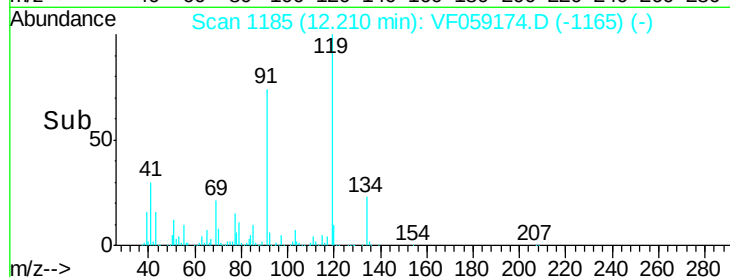
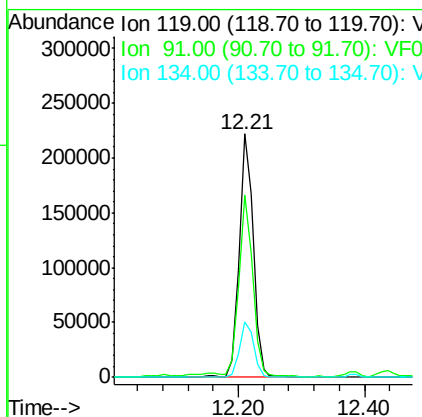
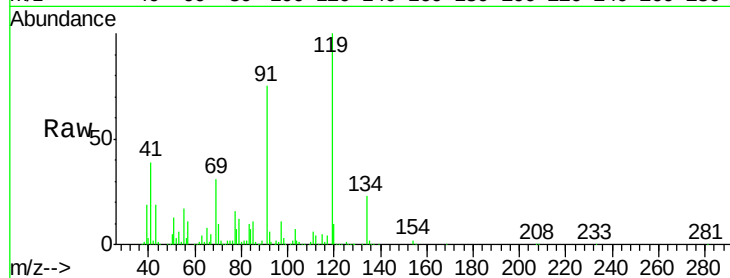
#83
 tert-Butylbenzene
 Concen: 233.717 ug/l
 RT: 12.21 min Scan# 1185
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Instrument :
 MSVOA_F
 ClientSampled :
 OILY-SOIL

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.6	30.4	91.3
134	23.0	11.2	33.5

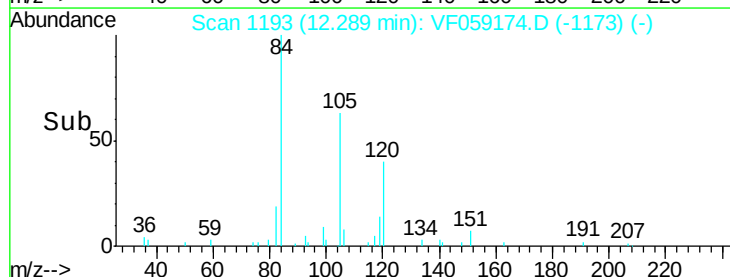
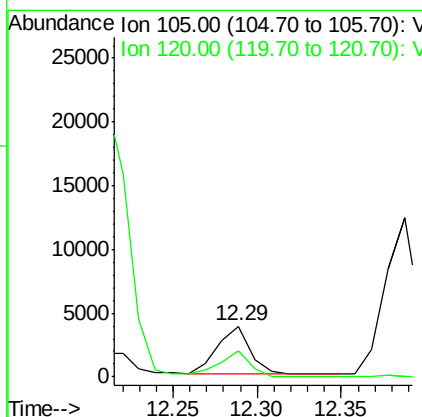
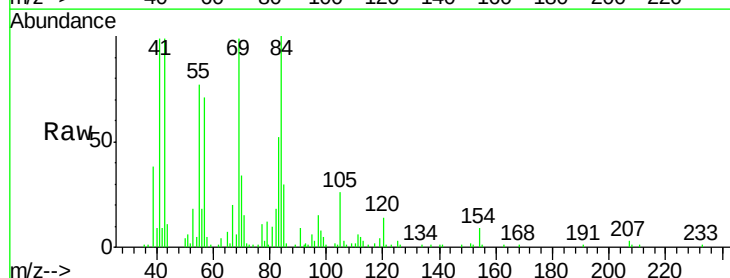
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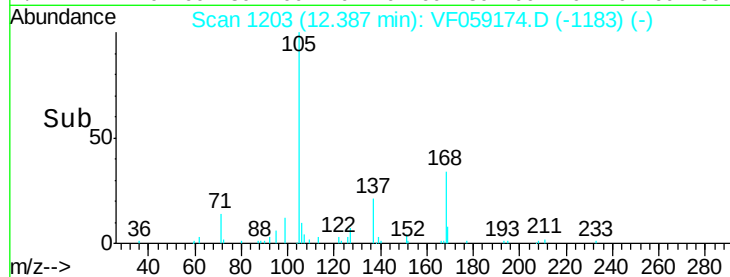
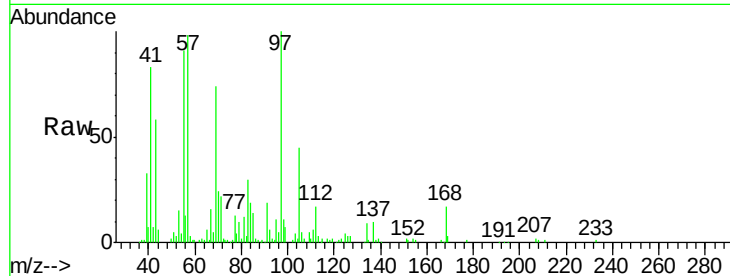
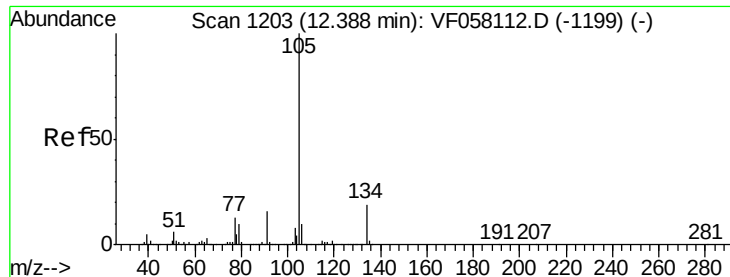
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#84
 1,2,4-Trimethylbenzene
 Concen: 3.410 ug/l
 RT: 12.29 min Scan# 1193
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Tgt Ion	Ratio	Lower	Upper
105	100		
120	52.4	24.7	74.1





#85
 sec-Butylbenzene
 Concen: 8.563 ug/l
 RT: 12.39 min Scan# 1203
 Delta R.T. -0.00 min
 Lab File: VF059174.D
 Acq: 18 Jun 2018 14:33

Tot Ion	Ratio	Resp Lower	Upper
105	100		
134	19.0	9.6	28.6

Instrument :
 MSVOA_F
 ClientSampleId :
 OILY-SOIL

Manual Integrations
 APPROVED

apatel
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